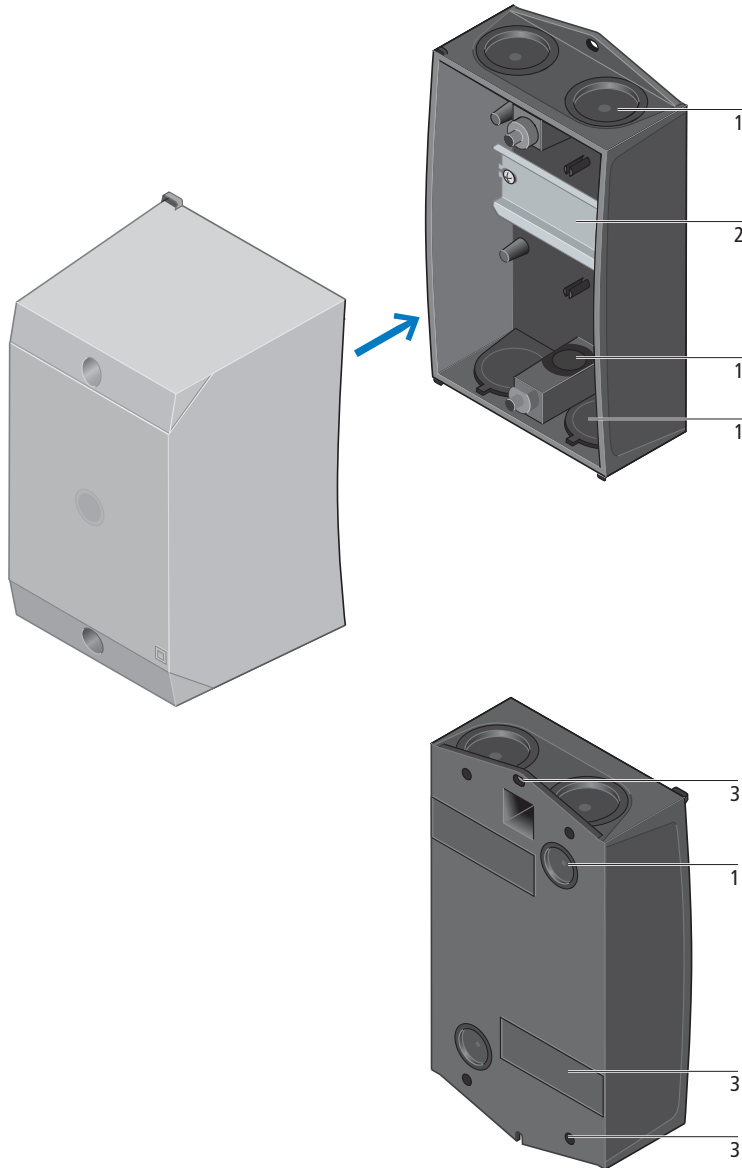


System overview



General	
Protection type IP65 (except CI-K2-80-A)	
Five basic sizes (floor area of enclosure lower section)	
Two overall depths per base surface (exception: CI-K1 enclosure depth always 95 mm, CI-K2-80-... enclosure depth always 80 mm)	
Enclosure made of glass-fibre reinforced with self-extinguishing polycarbonate, halogen free	
Captive gasket	
Enclosure base RAL 9005)	
Black (matt)	
Enclosure cover RAL 7035, light grey (matt)	
Metric cable entries	1
CI-K1 and CI-K2:	
metric cable entry knockouts with push-through cable entry diaphragm in the sides, top and bottom and also in the rear wall	
CI-K1H, CI-K2H:	
metric cable entry knockouts in the enclosure sides, top and bottom	
CI-K3 to CI-K5:	
metric cable entry knockouts in the sides, top and bottom and also in the rear wall	
Control cable entry with CI-K2	
Metric cable glands to EN 50 262	
Push-through metric cable grommets	
→ Page 20/95, → Chapter 16: Accessories for control panel building	
Mounting systems for basic enclosures	2
Mounting rails to IEC/EN 60 715	
Sheet steel mounting plates	
Accessories for mounting systems	
→ Page 20/97	
Mounting	3
Horizontal and vertical slot apertures for wall-mounting enclosures	
Captive cover screws	
Rubber feet on the back plate to compensate for uneven walls for CI-K1 and CI-K2	
External fixing bracket for CI-K4 and CI-K5	
→ Page 4/67	
Mounting units	
Miniature circuit breakers (MCB)	
Rotary switches	
Switch-disconnectors	
Contactors	
easy control relays	
Timing relay	
Pilot devices	
• Laser labelling	
We can label the cover surface of the small enclosures CI-K according to your specifications. Washable and permanent with modern laser inscription. Please contact:	
Technical information/product advice	
Tel. +49 (0)228 602-3704	
Fax. +49 (0)228 602-69403	
E-mail: Technik-Bonn@eaton.com	
CI-K-Combination-* → Page 20/94	
Approved enclosures for use in UL/CSA → Page 20/96	
• Cutouts in enclosure covers	
We can drill cutouts in enclosure covers to your requirements. Please contact:	
Technical information/product advice	
Tel. +49 (0)228 602-3704	
Fax. +49 (0)228 602-69403	
E-mail: Technik-Bonn@eaton.com	

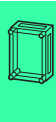


HPL20093EN

Ordering

Dimensions mm	Enclosure depth: Dimensions from top: 1. Mounting depth for mounting plate 2. Mounting depth for mounting rail 7.5 mm height 3. Enclosure depth mm	Mounting depth		Features	Part no. Article no.	Price See price list	Std. pack
		For mounting plate mm	For 7.5 mm mounting rail mm				
CI-K basic enclosures							
<ul style="list-style-type: none"> Protection type IP65 (exception: CI-K2-80-A), material characteristic glass-fibre reinforced polycarbonate Enclosure base RAL 9005, black/enclosure top only RAL 7035, light grey Metric cable entry knockouts top, bottom and in the back plate Push-through cable membrane with CI-K1 and CI-K2 Hard metric knockouts with CI-K1H and CI-K2H Hard metric knockouts with CI-K3 to CI-K5 Control cable entry with CI-K2 Indicator light L-. can be mounted in base knock out M20/M25 							
		-	72	With mounting rail	CI-K1-95-TS 206881		1 off
		-	72	With mounting rail	CI-K1H-95-TS 105853		1 off
		-	73	With mounting rail	CI-K2-100-TS 206882		1 off
		-	73	With mounting rail	CI-K2H-100-TS 229304		1 off
		79	-	With mounting plate	CI-K2-100-M 206893		1 off
		79	-	With mounting plate	CI-K2H-100-M 229306		1 off
		-	118	With mounting rail	CI-K2-145-TS 206883		1 off
		-	118	With mounting rail	CI-K2H-145-TS 229305		1 off
		124	-	With mounting plate	CI-K2-145-M 206894		1 off
		124	-	With mounting plate	CI-K2H-145-M 229307		1 off
		124	-	With adapter plate for contactor DILE with overload relay ZE	CI-K2-145-AD 207632		1 off
		124	-	With adapter plate for contactor DILE with overload relay ZE	CI-K2H-145-AD 229308		1 off
		-	93	With mounting rail	CI-K3-125-TS 206884		1 off
		98	-	With mounting plate	CI-K3-125-M 206895		1 off
		-	128	With mounting rail	CI-K3-160-TS 206885		1 off
		133	-	With mounting plate	CI-K3-160-M 206896		1 off

Notes Number and size of cable entries → Page 20/95



Dimensions	Enclosure depth: Dimensions from top: 1. Mounting depth for mounting plate 2. Mounting depth for mounting rail 7.5 mm height 3. Enclosure depth	Mounting depth		Features	Part no. Article no.	Price See price list	Std. pack
		For mounting plate	For 7.5 mm mounting rail				
mm	mm	mm	mm				
CI-K basic enclosures							
<ul style="list-style-type: none"> Protection type IP65 (exception: CI-K2-80-A), material characteristic glass-fibre reinforced polycarbonate Enclosure base RAL 9005, black/enclosure top only RAL 7035, light grey Metric cable entry knockouts top, bottom and in the back plate Push-through cable membrane with CI-K1 and CI-K2 Hard metric knockouts with CI-K1H and CI-K2H Hard metric knockouts with CI-K3 to CI-K5 Control cable entry with CI-K2 Indicator light L- can be mounted in base knock out M20/M25 							
		-	93	With mounting rail	CI-K4-125-TS 206886		1 off
		98	-	With mounting plate	CI-K4-125-M 206897		1 off
		-	128	With mounting rail	CI-K4-160-TS 206890		1 off
		133	-	With mounting plate	CI-K4-160-M 206898		1 off
		-	93	With mounting rail (Weight of fitted components max. 0.65 kg)	CI-K5-125-TS 206891		1 off
		98	-	With mounting plate (weight of fitted components max. 1.7 kg)	CI-K5-125-M 206899		1 off
		-	128	With mounting rail (Weight of fitted components max. 0.65 kg)	CI-K5-160-TS 206892		1 off
		133	-	With mounting plate (weight of fitted components max. 1.7 kg)	CI-K5-160-M 206900		1 off
Customised cutouts and laser inscriptions							
<ul style="list-style-type: none"> Only with operator only The necessary data (laser data, symbols, text and their respective positions) as well as the position of the cutouts must be provided as a DXF file. 							
						CI-K1-COMBINATION-* 102060	1 off
						CI-K2-COMBINATION-* 102061	1 off
						CI-K3-COMBINATION-* 102062	1 off
						CI-K4-COMBINATION-* 102063	1 off
						CI-K5-COMBINATION-* 102064	1 off

Notes

Number and size of cable entries → Page 20/95



Dimensions	Enclosure depth: Dimensions from top: 1. Mounting depth for mounting plate 2. Mounting depth for mounting rail 7.5 mm height 3. Enclosure depth	Mounting depth		Features	Part no. Article no.	Price See price list	Std. pack
		For mounting plate	For 7.5 mm mounting rail				
mm		mm	mm				
CI-K2 basic enclosures							
<ul style="list-style-type: none"> • Protection type IP30, material characteristic glass-fibre reinforced polycarbonate • Enclosure base RAL 9005, black/enclosure top only RAL 7035, light grey • Metric cable entry knockouts top, bottom and in the back plate • Push-through cable entry diaphragm with CI-K2 • Hard metric knockouts with CI-K2H • Control cable entry • Indicator light L-. can be mounted in base knock out M20/M25 							
		–	46	With standard cutout dimensions	Standard cutout dimensions and mounting rail for mounting devices requiring 2 to 4 space units. Push-through cable entry membrane. Close off of unused space units (max. 2) using blanking strips VST1, → Page 20/98	CI-K2-80-A 211107	1 off
		–	46	With standard cutout dimensions	Standard cutout dimensions and mounting rail for mounting devices requiring 2 to 4 space units. Hard metric knockouts. Close off of unused space units (max. 2) using blanking strips VST1, → Page 20/98	CI-K2H-80-A 229309	1 off
		–	70	With hinged cover	Transparent hinged cover for mounting devices requiring 2 to 4 space units. Push-through cable entry diaphragm.	CI-K2-80-K 211108	1 off
		–	70	With hinged cover	Transparent hinged cover for mounting devices requiring 2 to 4 space units. Hard metric knockouts.	CI-K2H-80-K 229310	1 off

Notes Diaphragm grommets, cable glands → Chapter 16: Accessories for panel construction

L	M	N	O	P	q	R
Knockouts 2 X M20 or push-through membrane up to max. Ø 12 mm	Knockouts 2 x M25 or push-through membrane up to max. Ø 16 mm CI-K2H: 2 x M25/20	Knockouts 2 x M25/20	Knockouts 2 x M32/25 1 x M20	Knockouts 2 x M50/40/25 1 x M20	Knockouts 2 x M25 or push-through membrane up to max. Ø 16 mm and 1 push-through membrane up to max. Ø 8 mm CI-K2H: 2 x M25/20	Knockouts 2 x M25/20 1 x M20
S	T	U	V	W		
Back plate: 2 x push-through membrane up to max. Ø 8mm	Back plate: 2 x push-through membrane up to max. Ø 11mm (not for CI-K2H)	Back plate: 2 x M25/20	Back plate: 2 x M32/25	Back plate: 2 x M50/40/25		




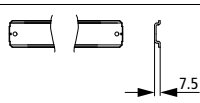

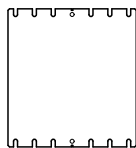

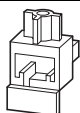

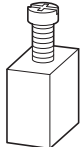

Dimensions			Mounting depth	Features	Part no. Article no.	Price See price list	Std. pack
Width	Height	Depth					
mm	mm	mm	mm				
CI-K basic enclosures							
<ul style="list-style-type: none"> • Protection type IP65 • Enclosure base RAL 9005, black/enclosure top only RAL 7035, light grey • Approved for UL, CSA • CI-K2X...: 4 x ½ inch knockouts • CI-K3X..., CI-K4X..., CI-K5X...: smooth overall with sharp corners 							
100	160	100	73	With mounting rail	CI-K2X-100-TS-NA 231220		1 off
			79	With mounting plate	CI-K2X-100-M-NA 231228		
		145	118	With mounting rail	CI-K2X-145-TS-NA 231221		
			124	With mounting plate	CI-K2X-145-M-NA 231229		
120	200	125	93	With mounting rail	CI-K3X-125-TS-NA 231222		
			98	With mounting plate	CI-K3X-125-M-NA 231230		
		160	128	With mounting rail	CI-K3X-160-TS-NA 231223		
			133	With mounting plate	CI-K3X-160-M-NA 231231		
160	240	125	93	With mounting rail	CI-K4X-125-TS-NA 231224		
			98	With mounting plate	CI-K4X-125-M-NA 231232		
		160	128	With mounting rail	CI-K4X-160-TS-NA 231225		
			133	With mounting plate	CI-K4X-160-M-NA 231233		
200	280	125	93	With mounting rail	CI-K5X-125-TS-NA 231226		
		160	128	With mounting rail	CI-K5X-160-TS-NA 231227		
	280	125	98	With mounting plate	CI-K5X-125-M-NA 231234		
		160	133	With mounting plate	CI-K5X-160-M-NA 231236		

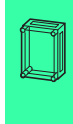
Information relevant for export to North America




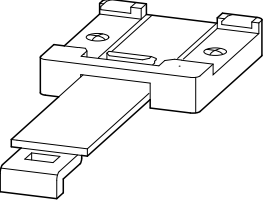

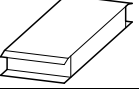





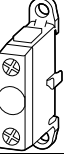



Product Standards	UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking
UL File No.	E54120, E337418
UL CCN	MITW2
CSA File No.	12528
CSA Class No.	3211-07
NA Certification	UL Listed, CSA certified
Specially designed for NA	Yes
Degree of Protection	IEC: IP65; UL/CSA Type 1, 3R, 4X, 12, 13 – indoor and outdoor use

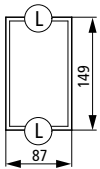
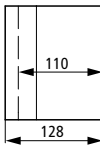

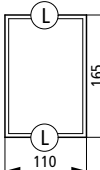
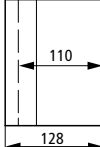
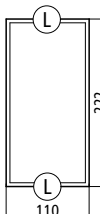
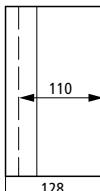




	For use with	Mounting position	Features	Useful length	Part no. Article no.	Price See price list	Std. pack	Information relevant for export to North America 
Mounting rails								
Height 7.5 mm, with fixing screws								
	CI-K1	Crosswise	–	60 mm	TS-CI-K1 206901		10 off 	UL/CSA certification not required
	CI-K2	Crosswise	–	82 mm	TS-CI-K2 206902			
	CI-K3	Lengthwise and crosswise	–	98 mm	TS-CI-K3 206903			
	CI-K4	Crosswise	–	133 mm	TS-CI-K4 206904			
	CI-K5	Lengthwise and crosswise, CI-K4 lengthwise	–	173 mm	TS-CI-K5 206905			
Mounting plates								
2 mm sheet steel with fixing screws								
	CI-K2	–	–	–	M-CI-K2 206906		10 off 	UL/CSA certification not required
	CI-K3	–	–	–	M-CI-K3 206907			
	CI-K4	–	–	–	M-CI-K4 206908			
	CI-K5	–	–	–	M-CI-K5 206909			
Accessories for mounting systems								
Spacers								
<ul style="list-style-type: none"> • For raising the mounting systems • (4 off required for mounting plate, 2 off required for mounting rail) 								
	–	–	by 25 mm	–	HS25-CI 002291		25 off 	UL/CSA certification not required
	–	–	by 50 mm	–	HS50-CI 002292			
	–	–	by 10 mm	–	ADT200-190 002289		10 off 	UL/CSA certification not required
	–	–	by 15 mm	–	ADT125-110 002290			



	For use with	Terminal capacity Flexible mm ²	Part no. Article no.	Price See price list	Std. pack	Information relevant for export to North America 
Accessories for small enclosures CI-K						
Set of external fixing brackets To secure CI-K4 and CI-K5 directly on the wall. Each set contains four brackets.						
	T5B-.../14, T5-.../15, P3-63/14, P3-100/15,	–	AB-CI-K4/5 206914		1 off 	UL/CSA certification not required
Mounting rail adapter, screw fixing To secure enclosure on mounting rails to IEC/EN 60715						
	CI-K1	–	TB-CI-K 206918		1 off 	UL/CSA certification not required
Blanking strips To blank off one space unit; cannot be removed from outside						
	CI-K2-80-A	–	VST1 211258		5 off 	UL/CSA certification not required
N terminals, PE terminals Screwed onto support bosses in the enclosure base plate						
	CI-K2-PKZ0- ... CI-K1/2	1 - 4 mm ²	K-CI-K1/2 207451		20 off 	UL/CSA certification not required
Insulated individual terminals • With PE, N adhesive labels • For snap-fitting onto mounting rail						
	CI-K3	1 - 10 mm ²	K-CI-K3 206915		20 off 	UL/CSA certification not required
	CI-K4 T5B-.../14 CI-K4-T5B-... P3-.../14	1.5 - 16 mm ²	K-CI-K4 206916		20 off 	UL/CSA certification not required
	CI-K5 T5-.../15 CI-K5-T5-... P3-.../15	10 - 35 mm ²	K-CI-K5 218488		20 off 	UL/CSA certification not required
Protective covers for push-through cable membrane with CI-K1(2) To cover push-through cable membranes						
–	CI-K1 (M20)	–	SK-CI-K1 226766		100 off	
–	CI-K1 (M25)	–	SK-CI-K2 226767		100 off	

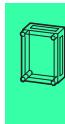


Dimensions	For use with	Enclosure depth: Dimensions from top 1. Mounting depth for mounting plate 2. Mounting depth	Mounting depth	Part no. Article no.	Price See price list	Std. pack	Notes
Dimensions mm		Enclosure depth mm	For mounting plate mm				
CI-B, C, D basic enclosures							
<ul style="list-style-type: none"> • Transparent cover • Metric knockouts top, bottom • With PEN terminal • IP55 individual enclosure with pre-drilled mounting plate 							
	DIL00AM		110	CI-B 024315		1 off	L  Knockouts 2 x M20
	S27		110	CI-C 031434		1 off	
	DIL0AM S27		110	CI-D 038553		1 off	
PE terminal (fifth conductor)							
Rated operational current 25 A for \varnothing 1.5 - 6 mm ² solid							
	-	-	-	K6/1 002270		100 off 	

Information relevant for export to North America



UL/CSA certification not required



Technical data

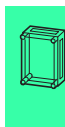
	CI-K1	CI-K2	CI-K2...-80-A CI-K2...-80-K	CI-K3	CI-K4	CI-K5	
General							
Standards	IEC/EN 60529 DIN 43660 EN 50262						
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30						
Ambient temperature	°C	-25 - 70					
Ambient air temperature with push-through cable entry	°C	-25...40					
Protection type	Front IP65		Front IP30	Front IP65			
Protection type with push-through cable entry	The degree of protection specifications do not apply to CI-K2-80-A						
Radiated heat dissipation	IP65		IP30	IP65			
	→ Page 20/101						
Material properties							
Material	Glass-fibre reinforced polycarbonate						
Base, cover	Corrosion-resistant						
Surface treatment	Corrosion-resistant						
Color							
Base	RAL 9005, black (matt)						
Cover	Enclosure cover RAL 7035, light grey (matt)						
Material properties							
Electrical							
Creepage resistance to IEC 60112							
Base	CTI 175						
Cover	CTI 175						
Surface treatment to IEC 60093	$\Omega \times 10^{13}$	> 1					
Dielectric strength to IEC 60243-1	kV/mm	30					
Thermal							
Continuous thermal stability							
Housing	°C	-40...120					
Sealing	°C	-40...80					
Mechanical							
IK code to EN 50102	04	06	06	06	06	06	
Weight of fitted components							
Per mounting rail	kg	0.2	0.7	0.7	0.85	0.75	0.65
With mounting plate	kg	–	–	0.7	0.85	0.9	1
Chemical resistance							
Base, cover							
Resistant	Acids < 10 %, mineral oil, petrol, grease, saline solutions						
Partially resistant	Acids > 10 %, Alcohol						
Non-resistant	Alkalis, benzol						
Push-through membrane (CI-K1/CI-K2) and sealing material							
Resistant	Acids < 10 %, alkalis, alcohol, saline solutions			–	–	–	
Partially resistant	Acids < 10 %, grease, benzene			–	–	–	
Non-resistant	Mineral oil, petrol			–	–	–	
Atmospheric							
Saline spray	IEC 60068-2-11						
UV resistance	Beneath protective canopy						
Water absorption to EN ISO 62	%	0.29					
Flammability characteristics							
Glow-wire test							
Base, cover							
Glow wire to VDE 0471 Part 2	°C	960/1 mm thick					
According to UL 94	V0/1.5 mm thickness						
Push-through membrane (CI-K1/CI-K2) and sealing material							
To VDE 0471 Part 2	°C	650/1 mm thick			–	–	–
According to UL 94	HB			–	–	–	
Halogen free	Yes			–	–	–	

Notes

The degree of protection specifications do not apply to CI-K2-80-A



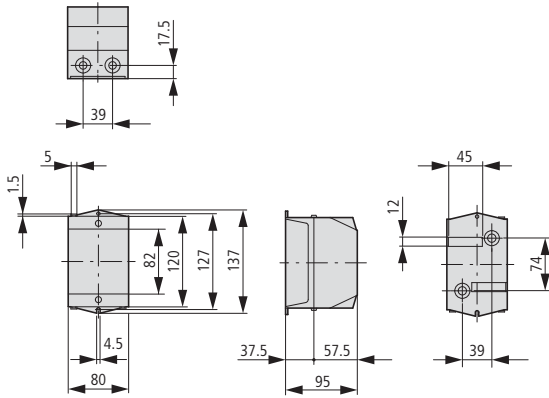
Small enclosures CI-K	CI-K..		
Radiated heat dissipation	Part no.	Dimensions W x H x D mm	Heat dissipation
			W
Max. radiated heat dissipation of the insulated enclosures CI-K with separate mounting, ambient air temperature +20 °C	CI-K1-95	80 x 137 x 95	10
	CI-K2-100	100 x 181 x 100	12.5
	CI-K2-145	100 x 181 x 145	18.5
	CI-K3-125	120 x 222 x 125	21.5
	CI-K3-160	120 x 222 x 160	25.5
	CI-K4-125	160 x 240 x 125	26
	CI-K4-160	160 x 240 x 160	29.5
	CI-K5-125	200 x 280 x 125	35
CI-K5-160	200 x 280 x 160	41	



Dimensions

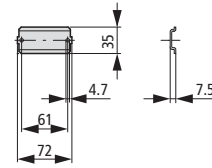
Small insulated material enclosures

CI-K1...-95-TS

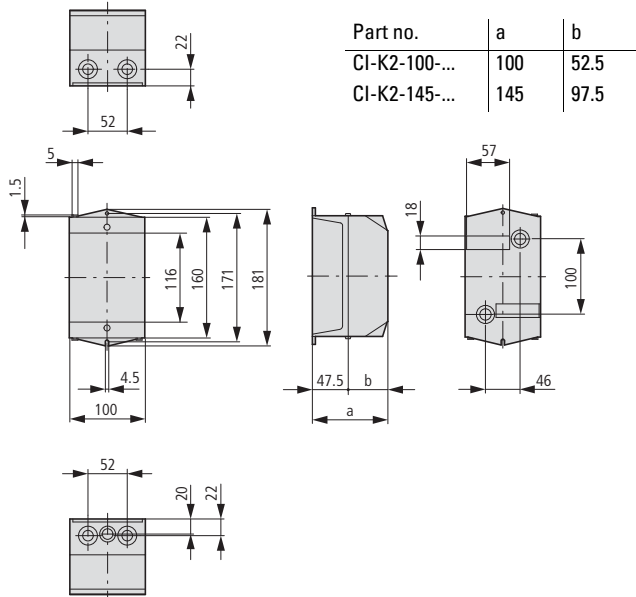


Mounting rails

TS-CI-K1

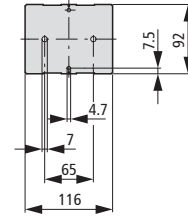


CI-K2...



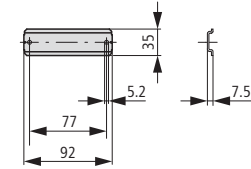
Mounting plates

M-CI-K2

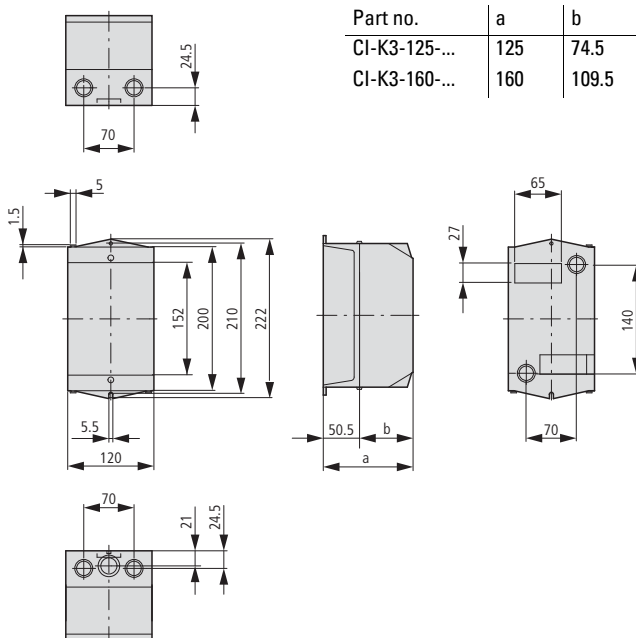


Mounting rails

TS-CI-K2

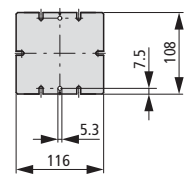


CI-K3...



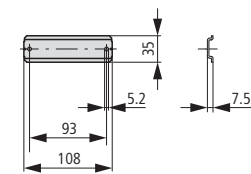
Mounting plates

M-CI-K3



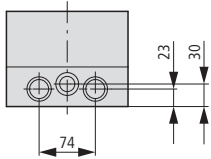
Mounting rails

TS-CI-K3

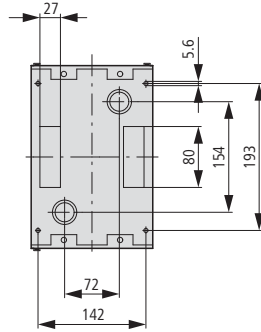
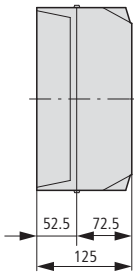
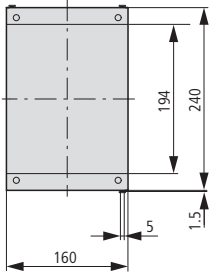


Small insulated material enclosures

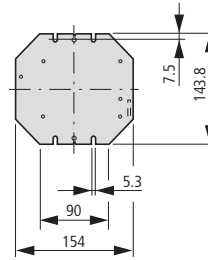
CI-K4...



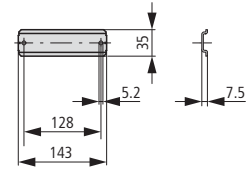
Part no.	a	b
CI-K4-125-...	125	72.5
CI-K4-160-...	160	107.5



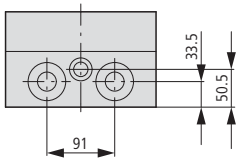
Mounting plates
M-CI-K4



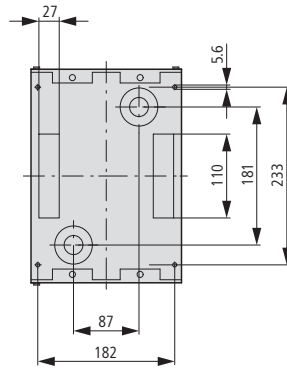
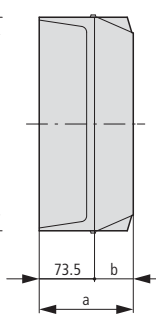
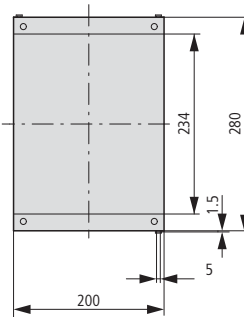
Mounting rails
TS-CI-K4



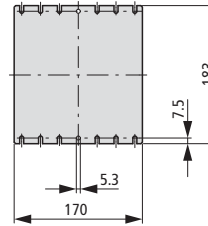
CI-K5...



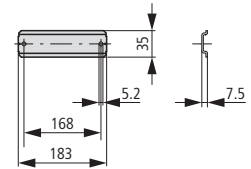
Part no.	a	b
CI-K5-125-...	125	51.5
CI-K5-160-...	160	85.5



Mounting plates
M-CI-K5

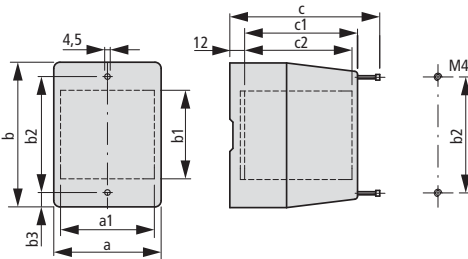


Mounting rails
TS-CI-K5



Basic enclosures

CI-B, CI-C, CI-D



Part no.	a	a1	b	b1	b2	b3	c	c1	c2
CI-B	87	71	149	106	128	10.5	128	115	84.4
CI-C	110	95	165	122	144	10.5	128	115	84.4
CI-D	110	97	222	179	201	10.5	128	115	84.4

